

NASA TECH BRIEF

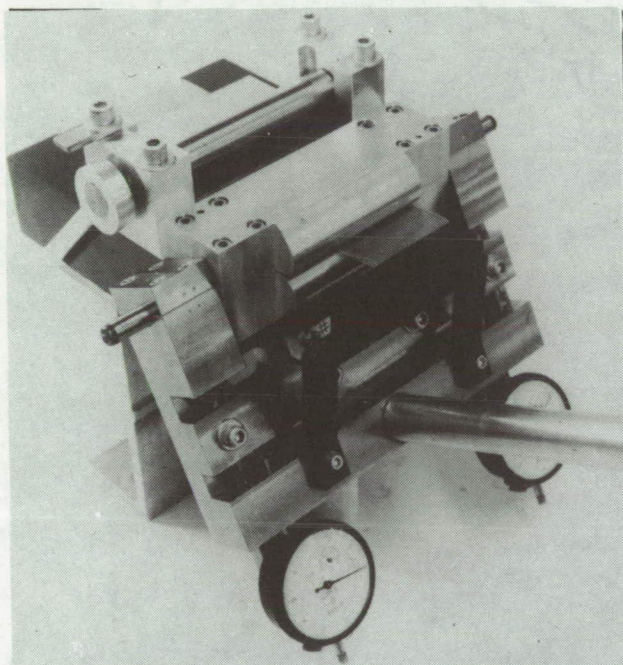
Marshall Space Flight Center



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Cold-Blade Stripper for Polyimide and TFE Insulation on FCC

The cold-blade stripper is a small, portable tool that uses a sharp, unheated blade to remove fluorinated ethylene propylene (FEP) bonded polyimide



and polytetrafluoroethylene (TFE) insulation from both sides of unshielded FCC. Insulation can be removed to any desired depth by adjusting the distance between the blade and the plates on either side of the FCC.

The blade is adjusted to cut through only the insulation, without touching the conductor surfaces. The cable, cut to the desired length, is inserted against a stop and clamped in place on the stripping tool. An upward movement of the blade strips the insulation from the bottom of the cable. A return downward motion strips the insulation from the top of the cable and completes the stripping operation.

If cable conductors of different thicknesses are to be stripped, the proper gap setting must be made; the cutter blade adjustment tolerance would be the thickness of the FEP adhesive. Chemical cleaning is not necessary, except for routine pickling before electroplating.

Note:

Requests for further information may be directed to:

Technology Utilization Officer
Code A&TS-TU
Marshall Space Flight Center
Huntsville, Alabama 35812
Reference: B71-10460

Patent status:

No patent action is contemplated by NASA.

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